

MEDVEDEV, PAVEL IYANOVICH

MEDVEDEV, Pavel Ivanovich; OZEROV, V.N., red.; PAVLOVA, M.M., tekhn.red.;
FEDOTOVA, A.F., tekhn.red.

[Physical and colloidal chemistry; a brief course] Fizicheskaia
i kolloidnaia khimiia; kratkii kurs. Izd.2-oe, perer. Moskva,
Gos.izd-vo sel'khoz.lit-ry, 1957. 317 p. (MIRA 11:1)
(Chemistry, Physical and theoretical) (Colloids)

MEDVEDEV, P. I.; GALINKER, I. S.

Investigation of titanium dioxide hydrosols by the cryoscopic method. Koll. zhur. 24 no.6:717-720 N-D '62.

(MIRA 16:1)

1. Khar'kovskiy sel'skokhozyaystvennyy institut, kafedra neorganicheskoy khimii.

(Titanium oxide) (Colloids) (Cryoscopy)

MEDVEDEV, P.I.; Prinimala uchastiye BABENKO, Ye.I.

Stability of titanium dioxide nuclei sols prepared from titanium tetrachloride. Lakokras.mat. i ikh.prim. no.4:38-39 '62.
(MIRA 16:11)

YESYUTIN, Leonid Sergeyeovich; BUSHIN, V.P., retsenzent; ZOTOV, V.A.,
retsenzent; MEDVEDEV, P.I., retsenzent; EYZERMAN, V.L.,
retsenzent; REGEL'SON, L.M., kand. tekhn. nauk, dots.,
red.; DOZORISEVA, Ch.I., red.

[Elements of antenna and wave-guide systems] Elementy
antenna-volnovodnykh ustroystv. Moskva, Izd-vo Mosk. univ.,
1964. 102 p. (MIRA 17:11)

POLYAKOV, I.F., inzh.; MEDVEDEV, P.M., inzh.; FISHMAN, M.G., inzh.;
SHEPELEVA, N.A., inzh.; SAGALOVICH, D.N., nauchnyy red.;
KRUGOVA, Ye.A., red.; KAMOLOVA, V.M., tekhn.red.

[Time norms for electric welding under flux in general machinery
manufacturing plants] Obshchemashinostroitel'nye normativy
vremeni na avtomaticheskuiu elektrodugovuiu svarku pod sloem
fliusa. Leningrad, Gos.soiuznoe izd-vo sudostroit.promyshl.,
1959. 110 p. (MIRA 12:8)

1. Moscow, Nauchno-issledovatel'skiy institut truda. Tsentral'-
noye byuro promyshlennykh normativov po trudu. 2. Sotrudniki
Tsentral'nogo nauchno-issledovatel'skogo instituta Gosudarstvennogo
Komiteta Soveta Ministrov SSSR po sudostroyeniyu (for Polyakov,
Medvedev, Fishman, Shepeleva).
(Electric welding) (Time study)

MEDVEDEV, Pavel Mikhaylovich; KOLMOGOROV, R.I., red.; VOLCHOK, K.M.,
tekh.red.

[Principles of building] Osnovy stroitel'nogo dela. Leningrad,
Izd-vo "Rechnoi transport". Leningr.otd-nie, 1960. 303 p.
(MIRA 13:6)

(Building)

MOSKALENKO, S.I.; GABOVICH, M.S.; BACHINSKIY, Yu.V.; TOMILIN, A.V.;
MEDVEDEV, P.M.; LOMANOVA, M.M.; GOLOVKOV, P.D.; GAYDUKOV, G.I.;
ALEYNIKOV, V.V.; STEHIN, N.D.; MIRONOVA, V.V.; BELAVINTSEVA,
Ye.S.; TSVETSINSKIY, S.V.; NECHEPURNYY, P.; KOBZAD', H.K.;
ROZHNOVA, Ye.S.; PELETNINSKIY, V.N.; GORDEYCHUK, V.K.; SHMERIGO,
V.F.; KISLYUK, N.

Fifty years in the sugar industry. Sakh.prom. 33 no.2:18
F '59. (MIRA 12:3)

(Shtepan, Georgii Viacheslavovich, 1888-)

MEDVEDEV, P. K.

Tundras - Asia

Forest boundaries and reasons for the forestless tundra in Asia. Izv. Vses.
geog. obshch. 84 No. 3, 1952.

Monthly List of Russian Accessions. Library of Congress, October 1952. UNCLASSIFIED.

MEDVEDEV, P. M.

MEDVEDEV, P. M. -- "Important Ecological Conditions and Flora of the Central Portion of the Khibiry." Acad Sci USSR. Botanical Inst imeni V. L. Komarov. Leningrad, 1955. (Dissertation for the Degree of Candidate of Biological Sciences.)

SO: Knizhnaya Letopis', No 5, Moscow, Feb 1956

30(1), 2(3)
AUTHOR:

SOV/26-59-2-50/53

Medvedev, P.M., Candidate of Biological Sciences

TITLE:

Winter in the Khibiny Mountains (Zima v Khibinskikh gorakh)

PERIODICAL:

Priroda, 1959, Nr 2, pp 125-126 (USSR)

ABSTRACT:

The author describes the winter climate and weather in the Khibiny Mountains - famous for their apatite deposits - on the Kola Peninsula north of the Arctic Circle. There, in the vicinity of the town of Kirovsk, the world's northmost Polar-Alpine Botanical Gardens and Game Reservation cover the north slopes of the Vud'yavchorr Mountain from 312 to 1,065 m above sea level. This area includes several plant belts. The forest belt, including dwarf trees, goes up to an altitude of 400 to 430 m. The vegetation above timberline up to 1,000 m or more, consists of mountain tundra plants. On the plateau-like summit there is a stone desert. Winter in this region lasts about 8 months, from the beginning of October to the end of May or the beginning of June. On the

Card 1/3

Winter in the Khibiny Mountains

SOV/26-59-2-50/53

mountain peaks snow starts falling in September or at the end of August. The snow cover thickness is 150 cm in the forest belt and attains 160 to 180 cm in the dwarf-tree zone. Outside of the wooded areas, strong winds and snowstorms sweep the snow masses to certain spots and ravines, while the area proper remains comparatively bare. The thick snow cover on the other areas protects the soil from freezing beyond a depth of 15 to 20 cm. The extremely strong snowstorms and snow drifts in the mountainous regions involve danger to man, animals and plants and hamper the transportation system there. Avalanches represent the gravest danger in the region. There is snow on 150 to 160 days between September and June, while there are snowstorms on 80 to 100 days in the valleys. In the summit regions these storms attain speeds of 15 m/sec or more and may last over 5 days. The air temperature during such storms is usually within the limits of 0°C to minus 10°C. Temperature inversion is observed frequently in the Khibiny Mountains. For the plants in this region,

Card 2/3

Winter in the Khibiny Mountains

SOV/26-59-2-50/53

the growing season ends in September, sometimes in October. In the Kirovsk rayon winter days are extremely short with the sun above the horizon for 8 hours in October, 4 in November, less than 2 in December, 6 in January and over 17 hours at the end of April. But the bright hours of the winter days are frequently obscured by cloudy skies and snowstorms. There is 1 photograph.

ASSOCIATION: Polyarno-al'piyskiy botanicheskiy sad Kol'skogo filiala AN SSSR (Polar-Alpine Botanical Gardens of the Kola Branch of the AS USSR)

Card 3/3

MEDVEDEV, P.M.

Testing annual and perennial forage grasses from different regions of the U.S.S.R. in Murmansk Province. *Biul.Glav.bot.sada* no.36. 37-42 '60. (MIRA 13:7)

1. Polyarno-Al'piyskiy botanicheskiy sad Kol'skogo filiala im. S.M.Kirova Akademii nauk SSSR.
(Murmansk Province--Grasses)
(Plant introduction)

MEDVEDEV, P.M., kand.biolog.nauk

In the Khibiny Mountains. Priroda 49 no.5:125-126 My '60.
(MIRA 13:5)

1. Polyarno-al'piyskiy botanicheskiy sad Kol'skogo filiala in.
S.M.Kirova AN SSSR, Kirovsk.
(Khibiny Mountains--Spring)

MEDVEDEV, P.M., kand. biol. nauk

Ice glaze on trees. Priroda 49 no.11:125-126 H '60.(MIRA 13:11)

1. Polyarno-al'piyskiy botanicheskiy sad, Murmanskaya oblast'.
(Ice)

MEDVEDEV, P.M.

Forced dormancy in plants of the Khibiny Mountains. Bot. zhur.
46 no.1:61-69 Ja '61. (MIRA 14:3)

1. Kol'skiy filial Akademii nauk SSSR, Polyarno-al'piyskiy
botanicheskiy sad.

(Khibiny Mountains—Dormancy (Plants))

MEDVEDEV, P.M., kand.biolog.nauk

In the Khibiny Mountains. Priroda 50 no.8:125 Ag '61. (MIRA 14:7)

1. Polyarno-al'piyskiy botanicheskiy sad (Kirovsk, Murmanskaya obl.).
(Khibiny Mountains--Summer)

MEDVEDEV, P.M.; BUKHARIN, P.D.

Selection of forage plants for Murmansk Province. Biul. Glav. bot. sada
no.51:23-31 '63. (MIRA 17:2)

1. Polyarno-al'piyskiy botanicheskiy sad Kol'askogo filiala AN SSSR imeni
Kirova.

MEDVEDEV, Petr Maksimovich, st. nauchn. sotr., kand. med. nauk;
GOLOVIN, G.V., red.

[Elephantiasis of the extremities and genitals] Slonovost'
konechnostei i polovykh organov. Moskva, Medtšina, 1964.
189 p. (MIRA 17:5)

MEDVEDEV, P.M., kand.med. nauk (Leningrad, ul. Kuybysheva, d.33/8,
kv.18)

Cylindrical dermatome for continuous excision and separation
of the skin into layers. Vest. khir. 70 no.6:103-105 Je'63
(MIRA 16:12)

1. Iz khirurgicheskoy kliniki i laboratorii konservirovaniya
i pèresadki tkerey Leningradskogo instituta perelivaniya krovi
(nauchnyy rukovoditel' - prof. A.N. Filatov).

MEDVEDEV, Pavel Mikhaylovich; SHLYAKOV, R.N., kand. biol. nauk,
otv. red.

[Role of heat and moisture for the life of plants under
difficult climatic conditions; based on the example of
the Khibiny Mountains] Rol' tepla i vlagi dlia zhizni
rastenii v trudnykh klimaticheskikh usloviakh; na pri-
mere Khibinskikh gor. Moskva, Nauka, 1964. 101 p.
(MIRA 18:3)

KROVNOV, A. M.

"Contemporary Problems and Methods of Treatment for Ankylosis of the Maxillary Articulation." Cand Med Sci, Leningrad Medical Stomatological Inst, Min Health RSFSR, Leningrad, 1953. (KL, No 3, Feb 55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

MEDVEDEV, P.M., kandidat meditsinskikh nauk.

Osteoplasty with a preserved human rib immediately after exarticulation of the lower jaw due to anadamantinoma. Stomatologiya, no. 6:41-43 N-D '55. (MLRA 9:5)

1. Iz kafedry khirurgicheskoy stomatologii (zav.-chlen-korrespondent AMN SSSR prof. A.A. Limberg) stomatologicheskogo fakul'teta Leningradskogo sanitarnogigiyenicheskogo meditsinskogo instituta (dir.-chlen-korrespondent AMN SSSR prof. D.A. Zhdanov)

(MANDIBLE, neoplasms

dentigerous cyst, surg. with transpl. of rib)

(CYSTS, DENTIGEROUS

mandible, surg. & reconstruction with rib.)

(RIBS, transpl.

in reconstruction of mandible in resection of dentigerous cyst)

MEDVEDEV, P.M., kand.med.nauk

Use of a biological plastic in eliminating ankylosis of the mandibular joint through surgery [with summary in English]. Khirurgia 33 no.9: 119-124 S '57. (MIRA 11:4)

1. Iz kafedry khirurgicheskoy stomatologii (zav. - chlen-korrespondent AMN SSSR prof. A.A.Limberg) stomatologicheskogo fakul'teta Leningradskogo sanitarno-gigiyenicheskogo instituta (dir. - chlen-korrespondent AMN SSSR prof. D.A.Zhdanov) i iz Leningradskogo ordena Trudovogo Krasnogo znameni nauchno-issledovatel'skogo instituta perelivaniya krovi (nauchnyy rukovoditel' - chlen-korrespondent AMN SSSR prof. A.M.Filatov, dir. - dotsent A.D.Belyakov)
(TEMPORAMANDIBULAR JOINT, dis.
ankylosis, surg., use of plastic prosthesis)
(PLASTICS
prosthesis in surg. of mandibular ankylosis)

MEDVEDEV, P.M., kand.med.nauk

New method for the fixation of skin flaps following their excision
with dermatome. Akt.vop.pereiv.krovi no.6:15-17 '58. (MIRA 13:1)

1. Khirurgicheskaya klinika (zav. - chlen-korrespondent AMN SSSR
prof. A.N. Filatov) Leningradskogo instituta pereivaniya krovi.
(SKIN CRAFTING)

MEDVEDEV, P.M., kand.med.nauk

Krasovitev free graft on the face. Stomatologii 37 no.2:65-66
Mr-Apr '58. (MIRA 11:5)

1. Iz kafedry khirurgicheskoy stomatologii (zav.-chlen-korrespondent
AMN SSSR prof. A.A. Limberg) stomatologicheskogo fakul'teta
Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta
(dir.-chlen-korrespondent AMN SSSR prof. D.A. Zhdanov.
(SKIN GRAFTING) (FACE--SURGERY)

MEDVEDEV, P.M., kand.med.nauk

Surgical treatment for an extensive damage to the mandible, ossified cicatricial contracture of the short posterior fragment and cicatricial deformation of the cheek. Stomatologia 38 no.3:60-61 My-Je '59. (MIRA 12:8)

1. Iz kafedry khirurgicheskoy stomatologii (zav. - prof.A.A. Limberg) stomatologicheskogo fakul'teta Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (dir. - prof.D.A.Zhdanov).
(JAWS--SURGERY) (CHEEK--WOUNDS AND INJURIES)

MEDVEDEV, P.M., kand.med.nauk

Treatment of tuberculosis of the facial bones. Stomatologiya 38
no.5:39-41 S-0 '59. (MIRA 13:3)

1. Iz kafedry khirurgicheskoy stomatologii (zaveduyushchiy - prof.
A.A. Limberg, nauchnyy rukovoditel' - doktor med.nauk M.D. Dubov)
stomatologicheskogo fakul'teta Leningradskogo sanitarno-gigiyeniche-
skogo meditsinskogo instituta.

(FACE--TUBERCULOSIS)

MEDVEDEV, P.M., kand.med.nauk

Rare location of an accessory lobe of the thyroid gland in the lower portion of the oral cavity. Stomatologiya 38 no.5:64-65 8-0 '59.

(MIRA 13:3)

1. Iz kafedry khirurgicheskoy stomatologii (zaveduyushchiy - prof. A.A. Limberg) stomatologicheskogo fakul'teta Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (direktor - prof. D.A. Zhdanov).

(THYROID GLAND--ABNORMITIES AND DEFORMITIES)

MEDVEDEV, P.M. kand.meditsinskikh nauk (Leningrad, ul. Knybysheva, d.33/8,
kv.18)

Auto- and homotransplantation of skin in treatment of trophic ulcers
and long-term unhealed wounds. Vest.khir. 83 no.11:60-64 N '59.

(MIRA 13:4)

1. Iz khirurgicheskoy kliniki (zav. - prof. A.N. Filatov) Lenin-
gradskogo ordena Trudovogo Krasnogo Znameni instituta perelivaniya
krovi (dir. - dotsent A.D. Belyakov).

(ULCERS surgery)

(SKIN TRANSPLANTATION)

(WOUNDS AND INJURIES surgery)

MEDVEDEV, P.M., kand.med.nauk (Leningrad, ul. Knybysheva, dom 33/8,
kv.18)

New model of electrodermatome. Vest.khir. 83 no.12:98-100 D '59.
(MIRA 13:5)
1. Iz khirurgicheskoy kliniki (zav. - prof. A.N. Filatov) Lenin-
gradskogo ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'-
skogo instituta perelivaniya krovi (dir. - dotsent A.D. Belyakov).
(SURGICAL INSTRUMENTS AND APPARATUS)

Medvedev, P. M.--Leningrad

"Mass Preparation and Preservation of Human Skin for Closure of
Burn Surfaces."

report submitted for the 27th Congress of Surgeons of the USSR, Moscow, 23-28 May 1960

FILATOV, Antonin Nikolayevich, prof., zasl. deyatel' nauki RSFSR; BERINGER, Yu.V.; GOLOVIN, G.V.; MEDVEDEV, P.M.; MIKHAYLOV, S.S., red.; SHEVCHENKO, F.Ya., tekhn. red.

[Transplantation and replacement of tissues and organs] Peresadki i zameshchenia tkanei i organov. Leningrad, Gos. izd-vo med. lit-ry Medgiz, Leningr. otd-nie, 1960. 323 p. (MIRA 14:7)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Filatov)
(TRANSPLANTATION OF ORGANS, TISSUES, ETC.)

MEDVEDEV, P.M., kand.med.nauk

State of gastric juice secretion in patients with prolonged and resistant disorder of the masticatory function. *Stomatologia* 39 no.1:60-61 Ja-F '60. (MIRA 14:11)

1. Iz kafedry khirurgicheskoy stomatologii (zav. - prof. A.A.Limberg, nauchnyy rukovoditel' - doktor meditsinskikh nauk M.D.Dubov) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta. (STOMACH--SECRETIONS) (MASTICATION)

MEDVEDEV, P.M.

Surgical treatment of elephantiasis. Vest.Khir. 84 no.6:108-112
Je '60. (MIRA 13:12)

(ELEPHANTIASIS)

BURMISTROV, V.M., kand.med.nauk (Leningrad, ul. Petra Lavrova, d.48,
kv.1); MEDVEDEV, P.M., kand.med.nauk

Clinical results of skin homoplasty in burn patients. Vest.
khir. no.4:65-70 '61. (MIRA 14:4)

1. Iz 1-y gospiatal'noy khirurgicheskoy kliniki (nach. - prof.
I.S. Kolesnikov) Voenno-meditsinskoy ordena Lenina akademii
im. S.M. Kirova i laboratorii konservirovaniya i peresadki
pochek Leningradskogo instituta perelivaniya krovi (nauchn.
rukovod. - prof. A.N. Filatov). (BURNS AND SCALDS) (SKIN GRAFTING)

BURMISTROV, V.M., kand.med.nauk (Leningrad, ul. Petra.Lavrova, d.48, kv.1);
MEDVEDEV, P.M., kand.med.nauk; ZAYTSEVA, K.K.

Skin homoplasty in burned subjects. Vest.khir. no.6:74-80 '61.
(MIRA 15:1)

1. Iz 1-y gospiatal'noy khirurgicheskoy kliniki (nach. - prof. N.S. Kolesnikov) Voenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova i laboratorii konservirovaniya i peresadki tkaney Leningradskogo instituta perelivaniya krovi (nauchn. rukovod. - prof. A.N. Filatov).

(SKIN--TRANSPLANTATION) (BURNS AND SCALDS)

KARTASHEVSKIY, N.G. (Leningrad D-187, Naberezhnaya Kutuzova, d.12, kv.8);
MEDVEDEV, P.M.

Organization of collection and preservation of human tissues
for clinical purposes. Ortop., travm. i protez. no.9:24-26 '62.
(MIRA 17:11)

1. Iz laboratorii konservirovaniya i peresadki tkaney (zav. -
prof. N.G. Kartashevskiy) Leningradskogo instituta perelivaniya
krovi (dir. - dotsent A.D. Belyakov, nauchnyy rukovoditel' -
chlen-korrespondent AMN SSSR prof. A.N. Filatov).

KOTOVSHCHIKOVA, M.A.; MEDVEDEV, P.M.

Study of the blood coagulation system in stable forms of
lymph circulation disorders of the extremities. Sov. med.
27 no.12:63-68 D*63 (MIRA 17:4)

1. Iz khirurgicheskoy kliniki (rukovoditel' - ohlan-korrek-
pondent AMN SSSR prof. A.N. Filatov) Leningradskogo nauchno
issledovatel'skogo instituta perelivaniya krovi (dir. - dots-
ent A.D. Belyakow).

MEDVEDEV, P.M., kand. med. nauk (Leningrad, ul. Kuybysheva, d. 33/8, kv.18)

Methodology of surgical treatment in some pronounced forms of varicose dilation of the veins and trophic changes in the tissues of the lower extremities. Vestn. khir. Grekov. 90 no.4:34-39 Ap'63 (MIRA 17:2)

1. Iz khirurgicheskoy kliniki (zav. - prof. A.N. Filatov) Leningradskogo ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skogo instituta perelivaniya krovi.

DUTKEVICH, I.G. (Leningrad, V-26, 20-ya liniya, 13, kv.56); MEDVEDEV, P.M.

Anesthesia in extensive operations for elephantiasis. Vest.
khir. 92 no.4:97-101 Ap '64 (MIRA 18:1)

1. Iz khirurgicheskoy kliniki (zav. - prof. A.N. Filatov)
Leningradskogo ordena Krasnogo Znameni nauchno-issledovatel'-
skogo instituta perelivaniya krovi (direktor - dotsent A.D.
Belyakov).

MEDVEDEV, P.M.; BUKHARIN, P.D.

Introducing into cultivation wild leguminous forage plants of
Murmansk Province. *Biul.Glav.bot.sada. no.58:3-9 '65.*

(MIRA 18:12)

1. Polyarno-al'piyskiy botanicheskiy sad Kol'skogo filiala
imeni S.M.Kirova AN SSSR g. Kirovsk.

MEDVEDEV, Pavel Mikhaylovich; DOBSHITS, M.L., red.; FEDYAYEVA, N.A.,
red.

[Principles of building] Osnovy stroitel'nogo dela. Izd.2.
dop. Moskva, Transport, 1965. 254 p. (MIRA 18:4)

YANOVICH, V.A.; MEDVEDEV, P.P., spats. red.; MIKHAYLOV, K.I., red.

[Radio in military affairs] Radio v voennom dele. Moskva,
DOSAAF, 1965. 55 p. (MIRA 18:7)

MIKHOV, P.P.; KAPLAN, B.L.; BARANOV, I.S.

Processing geodetic astronomical findings on electronic computers.
Geod. i kart. no.8:13-18 Ag '64.

(MIRA 17:11)

MEDVEDEV, P. T., ENGRS

USSR/Metallurgy - Welding, Production
Methods

Nov 52

"Experiment of Arranging a Continuous Operation
Line for Automatic Welding of Pipes and Floats
for the Pulp Lines of Suction Dredges," Ye. I.
Dragan, P. T. Medvedev, Engrs

Avtogen Delo, No 11, pp 4-6

Describes experience of Stalingrad Shipyard which
builds superpower suction dredges for Kuybyshev
and Stalingrad hydroelec power stas. Pulp convey-
ing line of suction dredge represents a string of

266T37

pipes 800 mm in dia supported by floats of
1300 mm dia. Flow sheet of continuous operations
is given and production procedure discussed. Con-
cludes that continuous operation line is expedient
method of fabricating even comparatively limited
number of items.

MEDVEDEV, P.T., insh.

Preventing the formation of slag inclusions in the welding
root. Svar.proisv. no.8:27-28 Ag '60. (MIRA 13:7)
(Electric welding)

26479

1 2300 2708, 2808, 2208, 1573

S/125/61/000/009/002/014
D040/D113

AUTHOR: Medvedev, P. T. (Dnepropetrovsk)

TITLE: Preventing cracks in welded thin-sheet joints in 25KhGSA and 25KhGFA steel

PERIODICAL: Avtomaticheskaya svarka, no. 9, 1961, 6-9

TEXT: The results are presented of an experimental investigation and practical directions are given how to eliminate cracks at weld joints in 25XGSA (25KhGSA) and 25XGFA (25KhGFA) steel. Both these alloy steel grades belong to inexpensive high-strength steel types, but are sensitive to overheat and frequently develop cracks in the weakness zone. Annealed 3 - 6 mm thick steel plates were welded in experiments, and "25" steel welded for comparison. The chemical composition of the steels used for research purposes is given in a table:

Card 1/4

X

26479

S/125/61/000/009/002/014
D040/D113

Preventing cracks

Thickness (mm)	Steel	(%) C	Mn	Si	Cr	V	P	S	Ni
3 and 4	25KhGSA	0.24	0.93	1.03	0.94	-	0.024	0.011	0.08
5	25KhGSA	0.25	0.95	1.16	0.95	-	0.018	0.017	0.18
6	25KhGSA	0.23	0.95	1.10	0.96	-	0.018	0.030	0.09
3 and 6	24XГФА (24KhGFA)	0.29	1.15	0.37	0.82	0.19	0.025	0.017	0.09
4 and 6	"25".....	0.28	0.57	0.29	0.04	-	0.021	0.030	traces.

Real cooling rates in metal adjacent to welds were calculated using N.N. Rykalin's equations (Ref.3: N.N.Rykalin, Raschety teplovykh protsessov pri svarke /Calculation of welding heat processes/, Mashgiz, M., 1951). Calculated cooling rate in parent metal in the weakness zone varied from 50 to 9°C/sec with welding heat from 570 to 2600 cal per cm of weld length, which is much too fast for even partial Ar' (austenite-pearlite) transformation. The parent metal structure at welds consisted of troostite-martensite

Card 2/4

Preventing cracks

26479
S/125/61/000/009/002/014
D040/D113

mixture with residual austenite. The reduction in the impact strength together with an increase in heat per unit length is due to the formation of brittle, unstable, coarse-acicular troostite-martensite structure. Heat treatment slightly improved the mechanical properties of the metal. It is recommended to use somewhat reduced heat per unit length to shape the edges for butt joints and use a 120-150° groove joint for lap and T-joints to prevent spatter; to weld with two-layer seams, or weld butt joints from both sides; and to use thin wire. It is not recommended to reduce the heat per unit length by raising the welding speed, for this speeds up the deformation of the joint and can lead to cracking. New techniques have been tested in the automatic submerged-arc process for 25KhGSA, 25 KhGFA and their combinations with "25" steel. These techniques are now being used in practical work for thin-sheet structures where dependability of welds is very important. Longitudinal butt joints on 2 mm thick shells are welded from both sides without bevelling, with 100-120 amp. 22-24 volt current, 38-40 m/hr welding speed, an C_8 -08A(Sv-08A) wire 1.0 mm in diameter, and an AH-348A(AN-348A) flux. Circumferential joints, 4-5 mm thick, are butt-welded using 1.6 mm wire, 200-280 amp, 26-30 volt current and 30-40 m/hr welding speed.

Card 3/4

26479

S/125/61/000/009/002/014
D040/D113

Preventing cracks

Lap joints of 2.5-4 mm thick steel are produced using 160-200 amp, 28-32 volt current and 30-40 m/hr welding speed, ~~at a~~ 90-120° V angle. There are 3 figures, 1 table and 4 Soviet references.

SUBMITTED: January 12, 1961

Card 4/4

MEDVEDEV, P.T., inzh.

Welding together under flux structural alloy steel with low-
carbon steel. Svar. proizv. no.7:24-25 JI '63.
(MIRA 17:2)

MEDVEDEV, Pavel Yemel'yanovich; VANCHUK, L., red.; DOMOVSKAYA, G.,
tekh. red.

[Discussions about important scientific discoveries] Besedy o
vazhneishikh nauchnykh otkrytiakh. Minsk, Gos.izd-vo BSSR.
Red. nauchno-tekh.lit-ry, 1961. 182 p. (MIRA 15:1)
(Technology—History)

MEDVEDEV, R.; KHIZHNYI, E.

➤ Effect of automation on workers' qualifications in capitalist countries. Sots. trud 7 no.8:32-39 Ag '62.

(MIRA 15:10)

(Automation--Economic aspects)

MEDVEDEV R. A.

The specializing of older students in agriculture. Politekh. obuch.
no.5:7-15 My '57. (MLRA 10:6)

1. Direktor Klyuchavskoy semiletney shkoly Roshchinskogo rayona Lenin-
gradskoy oblasti.

(Agriculture--Study and teaching)

ATUTOV, P.R.; MEDVEDEV, R.A.

Some results of an important experiment. Politekhnicheskii sbornik no.10:3-12
0 '58. (MIRA 11:11)

(Technical education) (Field work(Educational method))

RAZUMOVSKIY, V.G.; MEDVEDEV, R.A.

Development of research abilities in students. Politekh.obuch.
no.3:63-67 Mr '59. (MIRA 12:4)
(Physics—Study and teaching)

MEDVEDEV, R.A.

Developing the talents and abilities of youth in the field of
science and technology. Politekh.obuch. no.6:10-14 Je '59.

(MIRA 12:12)

(Ability grouping in education)
(Student aid)

MATVEYEV, Ye.L.; POLYAKOVA, A.A.; KHMEL'NITSKIY, R.A.; MEDVEDEV, R.A.

Modification of the recording unit of an MKh1303 mass
spectrometer. Prib. i tekhn. eksp. 10 no. 5:172-174 S-O '65.
(MIRA 19:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut nefteperera-
batyvayushchey promyshlennosti, Moskva.

ACC NR: AP6036065

(A, N)

SOURCE CODE: UR/0432/66/000/005/0041/0043

AUTHOR: Dashevskiy, L. N. (Candidate of technical sciences); Pleskonos, A. K.;
Lazarkevich, I. A.; Medvedev, R. B.

ORG: none

TITLE: Multiple point device in a system for the digital registration of parameters

SOURCE: Mekhanizatsiya i avtomatizatsiya upravleniya, no. 5, 1966, 41-43

TOPIC TAGS: computer input unit, computer research, analog digital conversion

ABSTRACT: A breadboard model of a system for the digital recording of parameters, including single and multiple point secondary devices, is briefly described. The multiple point devices do not have a continuous time relationship between the sliding element of the rheochord and the value of the parameter. The correspondence between the voltage picked up from the rheochord and the variable parameter occurs when the carriage is lowered on the chart paper of the device. A block diagram of the system is presented and discussed. Orig. art. has: 3 figures.

SUB CODE: 09/

SUBM DATE: none

UDC: 681.14 : 62-50

Card 1/1

МЕДВЕДЕВ И.И.
OGIYEVICH, V.A., kandidat tekhnicheskikh nauk; TITOV, M.A., inzhener;
MEDVEDEV, R.I., inzhener.

Operating photoelectronic batching tanks. Stroil. i dor. mashinostr.
2 no.6:30-32 Je '57. (MLRA 10:6)
(Electronic control) (Mixing machinery)

MEDVEDEV, R.S.

Electric measuring instruments for testing electric vacuum
instruments. Izv. tekh. no.2:24-26 Mr-Apr '55.
(Electric measurements) (MIRA 8:9)

TAL'YANSKIY, I.; SHTRAYKHER, A.; KOREPANOV, V.; MEDVEDEV, S.

Universal record players and long-playing records. Radio no.8:11 Ag '53.

(Phonograph records) (Phonograph)

(MLA 6:8)

Medvedev, S.
AUTHOR: Medvedev S., and Shapiro, E. (Kazan') 107-9-25/53
TITLE: An Amateur Television System (Lyubitel'skaya televizionnaya sistema)
PERIODICAL: Radio, 1957, # 9, p 35-38 (USSR)

ABSTRACT: A simple TV-system utilizing a photoresistance tube is described in this article. It consists of a small-size transmitting camera containing 4 tubes and of the TV-receiver of "Avan-gard" type (any other industrial TV-receiver can be utilized, too). The signal is transmitted from the camera to the TV-receiver at the video-frequency through a coaxial cable having the length of 20-50 meters. The power supply voltages and the scanning currents are transmitted to the camera from the TV-receiver through the cable. The general view of the system is shown by figure 1.

Further, the article describes in detail the design, the operation and the characteristics of the photoresistance tube of "ЖМ-18" type, the video-amplifier, the deflection and the focusing, the suppressing of back-currents, the various modifications of the TV-receiver, the design and assembling of the camera and the tuning of the same. The spectral sensitivity of the photoresistance is about equal to that of the human eye.

Card 1/2

An Amateur Television System

107-10-25/53

The article contains 6 figures, 1 photo and 1 Russian reference.

AVAILABLE: Library of Congress

Card 2/2

124-58-9-9748

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 9, p 39 (USSR)

AUTHOR: Medvedev, S. A.

TITLE: Operating Conditions of a Blower for Local Ventilation (Rezhim raboty ventilyatora mestnogo provetrivaniya)

PERIODICAL: Zap. Leningr. gorn. in-ta, 1957, Vol 34, Nr 1, pp 103-118

ABSTRACT: A method is provided for the determination of the operating conditions and operational stability of a blower for local ventilation in mine workings. The leakiness of the conduits of a ventilation network is accounted for. Auxiliary graphs are provided to facilitate the calculation procedure.

I. Ye. Idel'chik

1. Blowers--Operation 2. Blowers--Performance 3. Mines--Ventilation

Card 1/1

AUTHOR: ~~Medvedev, S. A.~~, Engineer, SOV/105-58-10-5/28

TITLE: Oxide-Type Anisotropic Permanent Magnets (Oksidnyye anizotropnyye postoyannye magnity)

PERIODICAL: Elektrichestvo, 1958, Nr 10, pp 25 - 30 (USSR)

ABSTRACT: In the production of such magnets the theory of ~~de~~-magnetization processes of magnetically hard materials is used as a foundation. The magnets, which have hitherto only be produced on a laboratory scale were sintered from fine disperse powders consisting of different magnetic materials. All conclusions derived from theory were found to be true in a qualitative sense. Firstly a short summary of the theory of an "ideal" magnet and of ~~de~~-magnetization processes is presented. Next the technology of the preparation of such anisotropic permanent magnets is described. At present two compounds, Fe_2O_3CoO and $BaFe_{12}O_{19}$ are used in the production of oxide-type permanent magnets. A survey of the properties of anisotropic magnets ~~FKhB~~ is given. The formulae of computation (Ref 5) are presented and the fields of

Card 1/2

Oxide-Type Anisotropic Permanent Magnets

SOV/105-58-10-5/28

application of such permanent magnets are mentioned.
Such are electrodynamical loudspeakers and small-power
electrical machines. There are 7 figures and 9 references,
1 of which is Soviet.

Card 2/2

MEDVEDEV, S. A.

SOV/4893

PHASE I BOOK EXPLOITATION

Vsesoyuznoye soveshchaniye po fizike, fiziko-khimiicheskim svoystvam ferritov i fizicheskim osnovam ikh primeneniya. 36, Minsk, 1959
Ferrity: fizicheskiye i fiziko-khimiicheskiye svoystva. Doklady (Ferrites: Physical and Physicochemical Properties. Reports) Minsk, Izd-vo AN BSSR, 1960. 655 p. Errata slip inserted. 4,000 copies printed.

Sponsoring Agencies: Nauchnyy sovet po magnetizmu AN SSSR. Otdel fiziki tverdogo tela i poluprovodnikov AN BSSR.

Editorial Board: Resp. Ed.: M. M. Sirota, Academician of the Academy of Sciences USSR; K. F. Balov, Professor; Ye. I. Kondratskiy, Professor; E. M. Polivanov, Professor; R. V. Tzelenin, Professor; G. S. Sotenskiy, Professor; N. M. Shol'ts, Candidate of Physical and Mathematical Sciences; E. M. Smolyarenko, Phys. Mashinoy, Ed. of Publishing House; S. Kniplavskiy, Tech. M. A. I. Volkhanovich.

FOURDS: This book is intended for physicists, physical chemists, and electronics engineers, and technical personnel engaged in the production and use of ferromagnetic materials. It may also be used by students in advanced courses in radio electronics, physics, and physical chemistry.

COVERAGE: The book contains reports presented at the Third All-Union Conference on Ferrites held in Minsk, Belorussian SSR. The reports deal with magnetic transformations, electrical and galvanomagnetic properties of ferrites, studies of the growth of ferrite single crystals, problems of the chemical and physicochemical analysis of ferrites and studies of ferrites having rectangular hysteresis loops and multi-component ferrite systems exhibiting hysteretic loops and problems in magnetic streamlines, highly coercive ferrites, magnetic spectroscopy, ferromagnetic resonance, magneto-optics, physical principles of using ferrite components in electrical circuits, anisotropy of electrical and magnetic properties, etc. The Committee on Magnetism, AS USSR (S. V. Vonsovskiy, Chairman) organized the conference. References accompany individual articles.

34

Ferrites (Cont.)

Dalyatov, A. S. Ferromagnetic Materials for Lower Frequencies of the SHF Range	530
Fabrikov, V. A. On the Effectiveness of the Operation of Ferrite Components as SHF Mixers in Rectifying Systems	534
Gurevich, A. G., and I. Ye. Gubler. Investigation of the SHF Properties of Ferrites With Narrow Resonance Curve	535
Mikhaylovskiy, L. K., V. F. Balakov, and B. F. Pollak. The Transformation of SHF Electromagnetic Waves in Ferrites	560
Polivanov, E. M., L. K. Mikhaylovskiy, S. A. Medvedev, B. F. Pollak, and V. F. Balakov. Magneto-Optical Ferrites at SHF	567
Krinchik, G. S., and M. V. Chetkin. Gyromagnetic and Gyroelectric Properties of Ferrites	578

Card 16/18

Card 1/18

MEDVEDEV, S.A.

MEDVEDEV, S.A., kand. tekhn. nauk.

Practical application of hydrodynamics in manufacturing ore-
dressing equipment. TSvet. met. 27 no.1:23-25 Ja-F '54. (MLRA 10:9)
(Ore dressing)

MEDVEDEV, S. A.

MEDVEDEV, S. A.: "The experimental hydrodynamics of mechanical flotation machines". Moscow, 1955. Acad Sci USSR. Inst of Mining. (Dissertations for the Degree of Doctor of Technical Sciences)

SO: Knizhnaya letopis', No. 52, 24 December, 1955. Moscow.

MEDVEDEV, Sergey Andreyevich; SVIRIDOVA, F.A., redaktor; NADEINSKAYA,
A.A., tekhnicheskiy redaktor

[Operation control of a floatation machine by its air consumption]
Kontrol' raboty floatatsionnoi mashiny po raskhodu vozdukha, Mo-
skva, Ugletekhizdat, 1955. 57 p. (MIRA 8:6)
(Flotation) (Coal preparation)

MEDVEDEV, S.A

136-1-16/20

AUTHOR: Medvedev, S.A., Doctor of Technical Sciences

TITLE: Organisation of the Transportation of Mercury (Organizatsiya transporta rtuti)

PERIODICAL: Tsvetnyye Metally, 1958, No.1, pp. 79 - 80 (USSR).

ABSTRACT: The author discusses mercury-pumping units for use in the manufacture of the metal. The production process requires 6-8 tons/hour of mercury to be pumped against a head of 8 m. He concludes that vortex pumps are suitable, in particular, type 1B-0,9. He gives test results in support of his conclusion. There are 4 figures.

AVAILABLE: Library of Congress

Card 1/1

L 18903-63

EWP(q)/EWT(m)/BDS AFFTC JD/JG

ACCESSION NR: AT3001910

60
56

S/2912/62/000/000/0174/0183

AUTHORS: Anokhin, B. G., Medvedev, S. A., Myakinenkova, E. V., Skvortsov, I. M.

TITLE: Some peculiarities of the growth and twinning structure of dendrites of Ge and of the anomalous segregation of impurities in the process of dendritic crystallization.

SOURCE: Kristallizatsiya i fazovy'e perekhody*. Minsk, Izd-vo AN BSSR, 1962, 174-183.

TOPIC TAGS: crystal, crystallization, crystallography, dendrite, dendritic, segregation, twinning, Ge, Ga, In, B, Sb, polysynthetic.

ABSTRACT: The paper presents the results of experimental work on the growing of long dendritic bands of Ge with specified electrophysical properties. The paper discusses the effect of the conditions of growth on the character of the growth of the dendrites, including the effect of the twinning structure of dendritic priming. The morphology of the dendritic twinning is examined in detail. The relationship between the segregation coefficients of some elements on their concentration in the liquid phase is established experimentally, also the distribution of alloying additions across the cross section of the dendrite. The dendritic Ge crystals were obtained

Card 1/3

L 18903-63

ACCESSION NR: AT3001910

4
by growing them by the Chokhralskiy method from an alloy cooled 15-20°C below the crystallization point; dendritic primers oriented along {211} were employed. Linear growth rate: 10-15 cm/min in purified H and under vacuum. Dendrites grown under vacuum are free of the surface imperfections encountered because of surface supercooling in H; the vacuum dendrites form perfect bands without any branching or parasitic crystallization. The study of the morphology of polysynthetic dendrite twins of Ge and its relationship with the character of the growth of the dendrites was carried out as follows: (1) Investigation (under 600 to 750x enlargement) of dendritic microsections after short-term chemical etching; (2) similar examination of the transverse fracture surface of the dendrites (by the Faust-John method; Electrochem. Soc., J., v. 107, no. 2, 1960). At least two twinning surfaces were found on all dendrites; four groups of dendrites are identified according to their mutual placement of twinning planes. The study of dendrites grown from strongly alloyed alloys did not support the Billig hypothesis of the possibility of impurity twinning (Acta Metallurgica, v. 5, no. 1, 1957). ~~Experimental~~ ^{Experimental} establishment of the dependence of the segregation coefficients of Ga, In, B, and Sb in dendritic growth with respect to their concentration in the liquid phase yielded the following values: In from $2 \cdot 10^{14}$ to $4 \cdot 10^{19}$ atoms/cm³; Ga from $1 \cdot 10^{14}$ to $6 \cdot 10^{18}$; Sb from $6 \cdot 10^{13}$ to $2 \cdot 10^{20}$; B from $1 \cdot 10^{14}$ to $4 \cdot 10^{19}$ atoms/cm³. The investigation of the distribution of alloying impurities across the cross section of the dendrites showed

Card 2/3

L-18903-63

ACCESSION NR: AT3001910

a preferential segregation along the edges of the crystal. This conclusion is valid for single-crystal portions of the dendrites only. Orig. art. has 7 figures.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 16Apr63

ENCL: 00

SUB CODE: CH, PH, MA, EL. NO REF SOV: 001

OTHER: 007

Card 3/3

AKHMETOV, M.M., kand. tekhn. nauk; TSITSEL'SKIY, Ye.K., gornyy inzh.;
SHAMSUTDINOV, R.N., gornyy inzh.; MEDVEDEV, S.A.

Practice of mechanizing the charging of upward holes. Gor.
zhur. no.7:38-40 J1 '63. (MIRA 16:8)

1. Leninogorskoye otdeleniye Altayskogo gornometallurgi-
cheskogo nauchno-issledovatel'skogo instituta (for Akhmetov,
TSitsel'skiy, Shamsutdinov). 2. Leninogorskiy polimetalli-
cheskiy kombinat (for Medvedev).

ACCESSION NR: AP4039410

S/0070/64/009/003/0436/0439

AUTHORS: Lishina, A. V.; Medvedev, S. A.; Nashel'skiy, A. Ya.; Sakharov, B. A.

TITLE: Morphology of gallium phosphide crystals grown from the gas phase

SOURCE: Kristallografiya, v. 9, no. 3, 1964, 436-439

TOPIC TAGS: crystal growth, twinned crystal, gallium phosphide

ABSTRACT: The crystals were obtained in a stream of inert gas by a method modified from that proposed by M. Gerchenszon and R. M. Mikulyak (J. Electrochem. Soc., 108, 6, 548-51, 1961). The procedure yielded transparent yellow-orange crystals of two principal forms: acicular and ribbon shaped. The acicular crystals formed three-sided prisms with equilateral triangular cross sections. Occasional hexagonal cross sections were observed. The direction of growth was the $\langle 111 \rangle$ axis. The tops of the crystals were generally bounded by octahedral faces $\{111\}$; the sides were bounded by the $\{110\}$ form. Crystals with triangular cross section showed what appeared to be twinning on the $\{110\}$ plane, but crystals with hexagonal cross sections did not show this. The tabular ribbon crystals grew in the $\langle 112 \rangle$ direction. The basal plane was $\{111\}$. The $\{111\}$ and $\{100\}$ forms were dominant. Twins occurred on at least two composition planes, one type of twin being very

Card 1/2

ACCESSION NR: AP4039410

distinct in thin sections cut perpendicular to $\sqrt{112}$. Orig. art. has: 5 figures.

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut redkometallicheskooy promyshlennosti (State Scientific Research and Planning Institute for the Rare Metal Industry)

SUBMITTED: 18Aug63

ENCL: 00

SUB CODE: SS

NO REF SOV: 001

OTHER: 008

Card 2/2

L 34079-65 EEO(b)-2/EPR(n)-2/EPR/EMA(c)/EWT(1)/EWT(m)/EWG(m)/EWP(b)/T/EWP(e)/EWP(t)
Pa-4/Pu-4 IJP(c) AT/WH/JD/JG

ACCESSION NR: AP5007151

S/0286/65/000/003/0016/0019

AUTHOR: Lyman', G. F.; Polikanov, Yu. V.; Medvedev, S. A.

51
6

TITLE: A method of growing silicon carbide single crystals. Class 12, No. 167836

SOURCE: Byulleten' izobreten'y i tovarnykh znakov, no. 3, 1965, 18-19

TOPIC TAGS: silicon carbide, silicon carbide single crystal, vapor grown single crystal, single crystal growing

ABSTRACT: An Author Certificate has been issued for a method of growing silicon carbide single crystals from the vapor phase. To increase the yield of the hexagonal silicon carbide, the process is conducted in a vacuum of 10^{-3} mm Hg. In a modification of this method, single crystals are grown at 2100-2250C with a temperature gradient of 6-10C and the upper half of the crucible is filled with the initial silicon carbide, whose particle size is 0.05-1.5 mm. [MS]

ASSOCIATION: none

SUBMITTED: 05Jun63

ENCL: 00

SUB CODE: 55

NO REF SOV: 000

OTHER: 000

ATD PRESS: 3209

Card 1/1

L 31154-66 EWT(m)/T/EWP(t)/EWP(b) IJP(c) JD/JG

Ship 159

ACC NR: AT6002256

SOURCE CODE: UR/2564/65/006/000/0239/0243

AUTHOR: Lishina, A.V.; Medvedev, S.A.

*37
8+1*

ORG: none

TITLE: Metallographic study of gallium phosphide crystals grown from the gas phase
[Paper presented at the Third Conference on Crystal Growing held in Moscow from 18 to
25 November, 1963]

SOURCE: AN SSSR. Institut kristallografi. Rost kristallov, v. 6, 1965, 239-243

TOPIC TAGS: gallium compound, phosphide, etched crystal, crystal dislocation,
twinning

ABSTRACT: The action of various etchants (acid and oxidizing mixtures) on gallium
phosphide single crystals was investigated. The etchants were also used to study the
faceting of the crystals and to establish a relationship between the degree of their per-
fection and the growth conditions. Analysis of the shape of the etch pits on various
faces showed that acicular and ribbonlike crystals were faceted with planes (111),
{111}, {110}, and {100}. Etch pits on ribbonlike crystals are often grouped in a row
similar to the distribution of dislocations on the surface of germanium dendrites. The

Card 1/2

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ACC NR: AT6002256

ribbonlike crystals, like dendrites, are polysynthetic twins with twinning planes parallel to the $\{111\}$ faces of the crystals. A complete development of the twinned structure of gallium phosphide crystals was found to require the combined use of bromine and acid etchants. Metallographic and x-ray analyses of the acicular crystals showed that they had a single-crystal structure. Orig. art. has: 7 figures and 1 table.

SUB CODE: 20 / SUBM DATE: 00 / ORIG REF: 001 / OTH REF: 006

Card 2/2 IC

L 4269-66 ENT(1)/ENP(e)/EMT(m)/EMP(1)/T/ENP(t)/ENP(b)/EMA(c) LJP(c) JD/GG/WH

ACCESSION NR: AP5024567

UR/0070/65/010/005/0760/0761

548,4

AUTHOR: Medvedev, S. A.; Kustov, Ye. F.; Arsen'yev, P. A.

TITLE: Study of dislocations in synthetic corundum single crystals

SOURCE: Kristallografiya, v. 10, no. 5, 1965, 760-761

TOPIC TAGS: corundum, crystal dislocation, single crystal

ABSTRACT: Etching was used to study the dislocation density distribution in the basal plane of synthetic corundum grown by the Verneuil process. Fe, Ti, Mn, and Co were introduced separately in concentrations up to 0.5%; in addition, Fe and Cr, Co and Cr, and Ti and Cr were introduced together (total impurities up to 0.8%). Samples for the experiments were cut out of the central portion of the single crystal. The dislocations were counted along and across the sample every 0.5 mm with an MM-8 microscope. Fig. 1 of the Enclosure shows a typical dislocation density distribution for a crystal having a 90° angle between the optic and the geometrical axis; the length and width of the sample are plotted along the y and x axes, respectively, and the dislocation density is plotted along the z axis. In crystals having a 60° angle between the geometrical and the optic axes, the average dislocation densities are one order of magnitude greater. The Card 1/3

57
48
B

L 4269-66

ACCESSION NR: AP5024567

9

maximum dislocation density in such crystals reaches $1.2 \times 10^6 \text{ cm}^{-2}$, and the minimum is $1.3 \times 10^5 \text{ cm}^{-2}$. "The authors thank L. S. Milevsky for discussing the results and M. M. Yuhvits for participating in the measurements." Orig. art. has: 1 figure.

44, 55

ASSOCIATION: Moskovskiy energeticheskiy institut (Moscow Power Institute)

44, 65

SUBMITTED: 03Dec64

ENGL: 01

SUB CODE: MT, SS

NO REF SOV: 000

OTHER: 003

Card 2/3

L 4269-66

ACCESSION NR: AP5024667

ENCLOSURE: 01

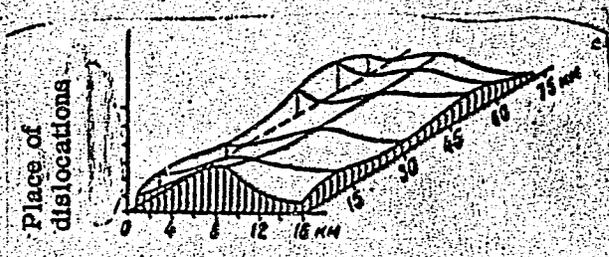


Figure 1. Three-dimensional graph of variations in dislocation density in a crystal having the geometrical axis perpendicular to the optic axis.

Card 3/8 SF

MEDVEDEV, S.A.; MNEYAN, M.G.

Anisotropy induced by a field in nikel ferrite with small addition of cobalt. Izv. AN Arm. SSR. Ser. tekhn. nauk 18 no.1:72-74 '65. (MIRA 18:7)

MEDVEDEV, S.F.

Clamshell automatic weighing machines for all hydrolysis plants.
Gidroliz. i lesokhim. prom. 8 no.4:25 '55. (MIRA 8:9)

1. Glavnyy inzhener Saratovskogo gidroliznogo zavoda.
(Weighing machines)

MEDVEDEV, S F

USSR/Chemical Technology - Chemical Products and Their Application. Wood Chemistry
Products. Cellulose and Its Manufacture. Paper, I-23

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63366

Author: Yemel'yanova, I. Z., Medvedev, S. F., Batkova, A. A.

Institution: None

Title: Operation Control of Production at the Work Place

Original

Periodical: Gidroliznaya i lesokhim. prom-st', 1956, No 2, 19-20

Abstract: For the control of maintenance of technological conditions of operation it is recommended to carry out analyses in the shop using new high speed methods.

Card 1/1

~~MEDVEDEV, S.F.~~

Lignin as a fuel of high calorific value. Gidroliz. 1 leskhim.prom.
9 no.6:24 '56. (MIRA 9:10)

1.Glavnyy inzhener Saratovskogo gidroliznogo zavoda.
(Lignin)

MEDVEDEV, S.F.

Using sunflower-seed hulls to form a "cushion" for the hydrolysis apparatus. *Gidroliz. i lesokhim. prom.* 9 no.3:20 '56. (MLRA 9:8)

1. Glavnyy inzhener Saratovskogo gidroliznogo zavoda.
(Chemical apparatus) (Sunflower seed)

MEDEJEV, S.F., Inzhener.

Using the *DR-5* crusher for supplementary crushing of chips. Grids: 10 no.5:26 '57. (BLRA 10:8)
(Crushing machinery)

KOROL'KOV, I.I.; TYAGUNOVA, Z.A.; RYAZANTSEV, N.V.; PETI, P.K.;
~~MEDVEDEV, S.E.~~; LYUKHANOV, O.F.

Continuous neutralization of hydrolyzates. Gidroliz.i
lesokhim.prom. 13 no.1:17-20 '60. (MIRA 13:5)

1. Nauchno-issledovatel'skiy institut gidroliznoy i sul'fitno-
spirtovoy promyshlennosti (for Korol'kov, Tyagunova, Ryazantsev,
Peti).
 2. Tavdinskiy gidroliznyy zavod (for Medvedev).
 3. Krasnodarskiy gidroliznyy zavod (for Lyukhanov).
- (Krasnodar--Wood-using industries--Equipment and supplies)
(Hydrolysis)

124-57-2-2357

Translation from: *Reverativnyy zhurnal, Mekhanika*, 1957, Nr 2, p 123 (USSR)

AUTHOR: Medvedev, S. F.

TITLE: On the Panel-wise Application of the "Free-body" Method in the Stress Analysis of Some Statically Indeterminate Trusses (O primeneniі metoda popanel'nogo raschleneniya k issledovaniyu prochnosti nekotorykh staticheski neopredelimykh ferm)

PERIODICAL: *Tr. Kuybyshevsk. inzh.-stroit. in-ta*, 1956, Nr 3, pp 3-30

ABSTRACT: Description of a modified version of the force method as applied to multiply statically indeterminate web trusses with cross bracing. The fundamental system unit is obtained by dissecting the truss into individual panels along straight lines parallel to the axes of inter-panel web members drawn along said web members. The portions of the web members attributed to the respective adjacent panels must have cross-sectional areas proportional to those axial forces which the dissected bar received from either respective panel prior to its dissection. At the joints of each panel-frame obtained by means of such dismemberment, external forces are applied to establish that stress condition experienced by the panel before

Card 1/2

124-57-2-2357

On the Panel-wise Application of the "Free-body" Method (cont.)

it has been cut out of the overall truss. As a result of this method of obtaining a fundamental system unit, each canonical equation will contain but one unknown. The application of this method to the calculation of different types of trusses is investigated in great detail. Bibliography: 8 references.

N. G. Kushelev

1. Structures--Stresses 2. Beams--Stresses 3. Stress analysis 4. Mathematics

Card 2/2

MEDVEDEV, S.F.

AUTHOR KARPACHEVA, S.M., KHORKHORINA, L.P., MEDVEDEV, S.F. 89-6-1174

TITLE New constructions of Extraction Columns with Nozzles.
(Russian.)
Novyye konstruktsii forsunochnykh ekstraktsionnykh kolon. =

PERIODICAL Atomnaya Energiya 1957. II/6, 558-561.

ABSTRACT Two new constructions are described:

- 1) A multi-step extraction column with one nozzle per each element operates as follows: The feeding of the output solution is carried out over the single elements which are connected in series. The nozzles in each element through which the extractor is fed into the element are fed by a common storage container.
The elements can be made of glass or metal. They have a ϕ 23 mm, a total height of 200 mm, and a working height of 150 mm.
The elements described operate particularly well if solvents of low viscosity and small surface can be used.
- 2) The second extraction column is built in such a manner that each element is fitted with 2 (or also 4) nozzles.

CARD 1/2

84-6-4024
New Constructions of Extraction Columns with Nozzles.

By the lowermost nozzle the extractant is introduced, whilst the initial solution is blown in through the upper nozzle. The elements are either 3 or 6 m long. The nozzle has an opening of 0,3 mm. With a column of 3 m length, which was charged with 6,5 m³/m²n, it was possible to obtain separation of up to 99,97 % between a water-uranyl nitrate solution and a mixture of 30% tributylphosphate and 70% ether.

ASSOCIATION: not given.
PRESENTED BY: -
SUBMITTED: -
AVAILABLE: Library of Congress.

CARD 2/2

KARPACHEVA, S.M., doktor khim. nauk; MEDVEDEV, S.F., inzh.; SENIN, P.T., inzh.;
ZAKHAROV, Ye.I., inzh.

Efficiency of packed extraction towers and sectional columns.
Khim. mash. no. 4:10-13 JI-Ag '59. (MIRA 12:12)
(Packed towers)

ROZEN, A.M.; KARPACHEVA, S.M.; MEDVEDEV, S.F.; RODIONOV, Ye.P.; KISELEVA,
L.F.

Investigating mass transfer in packed columns during extraction
by means of tributyl phosphate (extraction and reextraction of
nitric acid). Khim.prom. no.7:627-630 O-N '59. (MIRA 13:5)
(Packed towers) (Mass transfer)

ACCESSION NR AM1010368

BOOK EXPLOITATION

S/

Medvedev, Sergey Fedorovich (Professor, Doctor of Technical Sciences)

Methods for increasing dynamic strength of steel parts for machines and structures (Metody* povysheniya dinamicheskoy prochnosti stal'nykh detaley mashin i konstruktsiy), [Kuyby*shev], Kuyby*shevskoye knizhnoye izd-vo, 1962, 143 p. illus., biblio. Errata slip inserted. 2,000 copies printed.

TOPIC TAGS: fatigue strength, heat resistant steel, metallurgy, machining, heat treatment

PURPOSE AND COVERAGE: The book gives information on increasing the dynamic strength of steel parts (machine parts and structures) by various methods of processing their surface: machining, heat treatment, and thermochemical. The general concept of dynamic strength of metals and their fatigue limit is presented; there is a description of the physical mechanism of a change in dynamic strength of metals in the process of their working by the indicated methods. Data are included on the dynamic strength of heat-resistant steels. The book is intended for engineers and technicians in the metal working industry, machine building industry, and civil engineering; it can also be useful to researchers.

Card 1/2

ACCESSION NR AM4040368

TABLE OF CONTENTS [abridged]:

- From the author -- 3
- Introduction -- 5
- Ch. I. Concept of dynamic strength of metals -- 10
- Ch. II. Theory of a change in dynamic strength of metals when their surface is worked -- 24
- Ch. III. Increasing the dynamic strength of steel parts by machining -- 43
- Ch. IV. Increasing the dynamic strength of steel parts by mechanically strengthening their surface -- 73
- Ch. V. Increasing the dynamic strength of steel parts by heat treatment -- 98
- Ch. VI. Increasing the dynamic strength of steel parts by thermochemical and electrolytic processing -- 105
- Ch. VII. Relation of dynamic strength of articles made from normal (nonheat-resistant) steels to external temperature -- 123
- Ch. VIII. Dynamic strength of heat-resistant steels -- 129
- Bibliography -- 140

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OTHER: 005
Card 2/2

SUBMITTED: 09Feb62
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